

4/28/2018

Print



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Pa Di	
PO039634	DIV001-VU	1	1	Net 30	M7075T6S6.000X0.25	7075-T6S Sheet 6" Thick Plate X 0.25" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 receive ft				36	4/30/2018	36		S066609	Stock	4/28/2018	\$ 13.00 / ft		0	
		2			M7075T6S6.000X1.000	7075-T6S Sheet 6" Thick Plate X 1" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 receive ft				24		24		S066610	Stock	4/28/2018	\$ 43.40 / ft		0	
		3			M7075T6S2.000X0.750	7075-T6S Sheet 2" Thick Plate X 0.75" Wide : MAT'L 7075-T6/T62 ALUMINUM SHEET SPECS QQ-A- 250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR PER ASTM B209 MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET SPECS QQ-A- 250/13 OR AMS-QQ-A- 250/13 OR AMS 4049 OR PER ASTM B209 receive ft						24		S066611	Stock	4/28/2018	\$ 14.71 / ft		0	
Total:										84			84							

Plex 4/28/2018 12:17 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO039634**

**Supplier:** DIV001-VU  
Diversified Industrial Products  
14 Connor Lane  
Deer Park, NY 11803 USA  
Phone: 516 822 8300  
Fax: 516 822 8332

**PO No:** PO039634

**PO Date:** 4/18/18

**Due Date:** 4/30/18

**Purchase Order**  
**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**EMAILED**  
APR 18 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** Net 30

**Freight Terms:**

**Special Comments:**

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M7075T6S6.000X0.250		7075-T6S Sheet 6" Thick Plate X 0.25" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	4/30/18	36 ft	0 ft	36 ft	\$13.00/ft	\$468.00
							36' 6.071 wide		APR 28 2018	
2	M7075T6S6.000X1.000		7075-T6S Sheet 6" Thick Plate X 1" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft	Firmed	4/30/18	24 ft	0 ft	24 ft	\$43.40/ft	\$1,041.60
							24' 6.0675 wide		APR 28 2018	
3	M7075T6S2.000X0.750		7075-T6S Sheet 2" Thick Plate X 0.75" Wide : MAT'L 7075-T6/T62 ALUMINUM SHEET SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209  MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209 receive ft	Firmed	4/30/18	24 ft	0 ft	24 ft	\$14.71/ft	\$353.04
							24' 1.766 thick 2.074 wide		APR 28 2018	

**Grand Total:** \$1,862.64

## Order Notes

Plex 4/18/18 8:20 AM dart.lavoie.chantal

DAS  
11  
9-89

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DAS  
11  
9-89

## Order Notes

## Procurement Quality Clauses

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents  
  
A048 counterfeit parts avoidance, detection, mitigation and disposition program  
  
A049 supplier awareness



Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 4/18/18 8:20 AM dart.lavoie.chantal



14 Connor Lane, Deer Park, NY 11729 Tel: 631.761.6200 Fax: 631.761.6201

Customer PO #	Order Date	SP
PO039634	04/18/18	AB

Sales Order Number	46059
Invoice Date	4/23/2018
Invoice Number	66668

Ship To:

DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

# Pkg.	1 SKID
Weight	165 LBS

Ship Date	Shipped Via	Test Reports
4/23/2018	JOURNEY FRT	Y

Item #	Order Qty	U/M	Description	Qty Shipped	Bal. on Order
1	36	FT	PART# M7075T6S6.000X0.250 7075-T651 ALUMINUM DFAR ASTM B209 AMS QQ-A-250/12 .250" THICK X 6" WIDE X 48" LONG MILL: KAISER; LOT #: 241730BT	36	0 APR 28 2018 DAS 11 9-89
2	24	FT	PART# M7075T6S6.000X1.000 7075-T6 ALUMINUM DFAR ASTM B209 AMS-QQ-A-250/12 1" THICK X 6" WIDE X 48" LONG MILL: KAISER; LOT #: 261651B4	24	0 APR 28 2018 DAS 11 9-89
3	24	FT	PART# M7075T6S2.00X0.750 7075-T651 ALUMINUM DFAR ASTM B209 AMS QQ-A-250/12 .750" THICK X 2" WIDE X 48" LONG MILL: KAISER; LOT #: 243265B6	24	0 APR 28 2018 DAS 11 9-89

PACKING LIST  
CERTIFICATE OF COMPLIANCE

We certify that the materials described above conform to the specifications stated.

*Callie Vail*  
Quality Control Manager

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075+652.000X0.150  
 DATE: APR 28 2018

PO / BATCH NO.: 039634/5066611

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 24'  
 QUANTITY INSPECTED: 24'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.150  
 THICKNESS RECEIVED: 0.150  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	AMS-QQ-A-250/12
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	Heat # 243265B6
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 APR 28 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE  
SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A-250/12  
OR AMS 4045  
OR ASTM B209

OR

PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE  
SPECIFICATION: QQ-A-250/13 OR AMS-QQ-A-250/13  
OR AMS 4048/4049  
OR ASTM B209

PART NUMBER: M7075T6S | TTT | X | W.WWWW |  
| THK | | WIDTH |

WHERE "TTT" = THICKNESS (IN INCHES)  
AND "W.WWWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)  
EG. 0.063" THICK SHEET = M7075T6S.063  
EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

PREFERRED SIZE: .TTT BY 4FT BY 10FT FOR SHEET

RELEASED  
2017 JUN 19 19  
ECN 17-574

APPROVED

B	ADD: REF TO "PLATE", "T651" TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CAR16-149)	CP	17.05.05
A	NEW ISSUE	RF	10.11.08
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	CP		
CHECKED	ML		
MFG. APPR.	LL		
APPROVED	WM		
DE APPR.	D9		
DATE	17.05.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M7075T6S			
TITLE 7075-T6 SHEET/PLATE SPEC			
SCALE NTS			
SHEET 1 OF 1			
REV. B			
COPYRIGHT © 2018 BY DART AEROSPACE LTD			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR REPRODUCTION IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			

<b>SHIP TO:</b>  DIVERSIFIED INDUSTRIAL PRODUCTS 14 CONNOR LANE DEER PARK, NY 11729
<b>SOLD TO:</b>  DIVERSIFIED INDUSTRIAL PRODUCTS 14 CONNOR LANE DEER PARK, NY 11729

**KAISER**  
**ALUMINUM**  
 Trentwood Works - Spokane, WA 99215  
 Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
 4485005

CUSTOMER PO NUMBER: 099766-13	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 104094/11	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1246188-13	SHIP DATE: 8-NOV-2017	ALLOY: 7075	CLAD: BARE	TEMPER: T651
PRODUCT DESCRIPTION: Sawed Plate				
WEIGHT SHIPPED: 6552 LB	QUANTITY: 12 PCS EST.	TRUCK B/L #: 2070005	GAUGE: 0.7500 IN (19.0500 MM)	DIAMETER/WIDTH: 48.500 IN (1231.9 MM)
			LENGTH: 144.500 IN (3670.3 MM)	

MHU 2166750: LOT 243265B6: 9 pieces;  
 MHU 2166754: LOT 243265B6: 3 pieces;

### Certified Specifications

AMS 4045/RevL

AMS-QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512  
 Lot: 243265B6

Cast 540

Drop 92

Test Results  
 Ingot 3

Melted in USA

(ASTM E8/B557)  
 (EN 2002-1)

Tensile: Temper  
 T651

Dir / # Tests  
 LT / 2 (Min:Max)

Ultimate KSI (MPA)  
 83.7 : 83.9  
 (577 : 578)

Yield KSI (MPA)  
 73.8 : 74.6  
 (509 : 514)

Elongation %  
 13.5 : 13.8

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.16	1.5	0.03	2.5	0.19	5.8	0.03	0.01	0.01	TOT 0.03

### ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4485005

DIVERSIFIED INDUSTRIAL PRODUCTS CORP.  
CERTIFY THIS A TRUE COPY OF THE  
MILL TEST REPORT USED TO FILL YOUR  
ORDER.

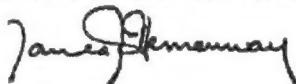
Company DART AEROSPACE LTD.  
PO# P0039634  
Our Inv. # 66668  
Qty. IT 3 - 24 FT  
Part # M7075T6S2.00X0.750  
QC Dept. Cathl Vall  
Cathl Vall

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- \* All test equipment and measuring devices are calibrated and certified in accordance with applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- \* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 292.225 for domestic content.
- \* has been thermally processed in compliance with AMS 2772, where applicable.
- \* is mercury free, within the limits of detection of ASTM E1215 (< 1ppm).
- \* is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- \* is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- \* is free of weld repair.
- \* meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075+656.000x1.000

PO / BATCH NO.: 039639/5066610

DATE: APR 28 2018

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 241  
 QUANTITY INSPECTED: 241  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	AMS-QQ-A-250/12
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	Heat # 261651B4
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89 APR 28 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

**PURCHASE MATERIAL:** 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE  
**SPECIFICATION:** QQ-A-250/12 OR AMS-QQ-A-250/12  
OR AMS 4045  
OR ASTM B209

OR

**PURCHASE MATERIAL:** 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE  
**SPECIFICATION:** QQ-A-250/13 OR AMS-QQ-A-250/13  
OR AMS 4048 / 4049  
OR ASTM B209

**PART NUMBER:** M7075T6S | TTT | X | W.WWW |  
| THK | | WIDTH |

WHERE ".TTT" = THICKNESS (IN INCHES)  
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)  
EG. 0.063" THICK SHEET = M7075T6S.063  
EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

**PREFERRED SIZE:** .TTT BY 4FT BY 10FT FOR SHEET

RELEASED

2017 JUN 19  
ECN 17-574

APPROVED

B	ADD. REF TO "PLATE", T651 TEMPER, AMS 4046, OPTIONAL WIDTH DIM (CARTG-146)	CP	17.05.05
A	NEW ISSUE	RF	10.11.08
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	CP	
DRAWN			
CHECKED	ML		
MFG. APPR.	LL		
APPROVED	WM		
DE APPR.	DS		
DATE	17.05.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M7075T6S			
REV. B SHEET 1 OF 1			
TITLE 7075-T6 SHEET/PLATE SPEC NTS			
SCALE			
COPYRIGHT © 2018 BY DART AEROSPACE LTD			
THE LOGO AND IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			

SHIP TO:
DIVERSIFIED INDUSTRIAL PRODUCTS 14 CONNOR LANE DEER PARK, NY 11729
SOLD TO:
DIVERSIFIED INDUSTRIAL PRODUCTS 14 CONNOR LANE DEER PARK, NY 11729

**KAISER  
ALUMINUM**  
Trentwood Works  
PO Box 15108, Spokane Valley WA 99215-5108  
15000 E Euclid, Spokane Valley WA 99216  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4501741

CUSTOMER PO NUMBER: 102362-1	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 104216/20	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1253403-1	SHIP DATE: 14-MAR-2018	ALLOY: 7075	CLAD: BARE	TEMPER: T651
WEIGHT SHIPPED: 7624 LB	QUANTITY: 8 PCS EST.	TRUCK BL #: 2072483	GAUGE: 1.0000 IN (25.4000 MM)	PRODUCT DESCRIPTION: KaiserSelect Plate
			DIAMETER/WIDTH: 60.500 IN (1536.7 MM)	LENGTH: 152.500 IN (3873.5 MM)

MHU 2209494: LOT 261651B4: 5 pieces;  
MHU 2209496: LOT 261651B4: 3 pieces;

### Certified Specifications

AMS 4045/RevL

AMS-QQ-A-260/12/RevA

ASTM B 209/Rev 14

Test Code: 1512

Lot: 261651B4

Cast 626

Drop 10

Test Results  
Ingot 4

Melted in USA

(ASTM B8/B557)  
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	83.3 : 84.0 (574 : 579)	73.6 : 74.9 (507 : 516)	13.3 : 13.5

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.17	1.5	0.05	2.5	0.19	5.7	0.03	0.01	0.02	TOT 0.03

### ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

# KAISER ALUMINUM

Trentwood Works

PO Box 16108, Spokane Valley WA 99216-5108  
15000 E Euclid, Spokane Valley WA 99216  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4501741

DIVERSIFIED INDUSTRIAL PRODUCTS CORP.  
CERTIFY THIS A TRUE COPY OF THE  
MILL TEST REPORT USED TO FILL YOUR  
ORDER.

Company DART AEROSPACE LTD.  
PO# PO039634  
Our Inv. # 66668  
Qty. IT 2 - 24 FT  
Part # M7075T6S6.000X1.000  
QC Dept. Cathi Vail  
Cathi Vail

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

• has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.

• All test equipment and measuring devices are calibrated and certified in accordance with applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.

• was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.226 for domestic content.

• has been thermally processed in compliance with AMS 2772, where applicable.

• is mercury free, within the limits of detection of ASTM E1215 (< 1ppm).

• is in compliance with RoHS 2, European Union Directive 2011/65/EU.


• is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.

• is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

• is free of weld repair.

• meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M70757656-000X0.250 PO / BATCH NO.: 039634/5066609  
 DATE: APR 28 2018

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 36'  
 QUANTITY INSPECTED: 36'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250  
 THICKNESS RECEIVED: 0.250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	<u>AMS QQ-A-250/12</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	<u>Heat # 241730B1</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-29</u> APR 28 2018	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

**PURCHASE MATERIAL:** 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE  
**SPECIFICATION:** QQ-A-250/12 OR AMS-QQ-A-250/12  
OR AMS 4045  
OR ASTM B209

OR

**PURCHASE MATERIAL:** 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE  
**SPECIFICATION:** QQ-A-250/13 OR AMS-QQ-A-250/13  
OR AMS 4048 / 4049  
OR ASTM B209

**PART NUMBER:** M7075T6S | TTT | X | W | WWW |  
| THK | | WIDTH |

WHERE "TTT" = THICKNESS (IN INCHES)  
AND "W | WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M7075T6S.063  
EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

**PREFERRED SIZE:** .TTT BY 4FT BY 10FT FOR SHEET

RELEASED

2017 JUN 19  
ECN 17-574

APPROVED

B	ADD. REF TO "PLATE": "T651" TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CART-148)	CP	17.05.05
A	NEW ISSUE	RF	10.11.08
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	CP		
CHECKED	ML		
MFG. APPR.	LL		
APPROVED	WM		
DE APPR.	DS		
DATE	17.05.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M7075T6S		REV. B SHEET 1 OF 1	
TITLE 7075-T6 SHEET/PLATE SPEC		SCALE NTS	
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**SHIP TO:**

DIVERSIFIED INDUSTRIAL PRODUCTS  
14 CONNOR LANE  
DEER PARK, NY 11729

**SOLD TO:**

DIVERSIFIED INDUSTRIAL PRODUCTS  
14 CONNOR LANE  
DEER PARK, NY 11729

# KAISER ALUMINUM

Trentwood Works

PO Box 15108, Spokane Valley WA 99215-5108

15000 E Euclid, Spokane Valley WA 99216

Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number

4505338

CUSTOMER PO NUMBER: 103141-7	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 104244/20	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1256129-7	SHIP DATE: 11-APR-2018	ALLOY: 7075	CLAD: BARE	TEMPER: T651
WEIGHT SHIPPED: 6477 LB	QUANTITY: 36 PCS EST.	TRUCK B/L #: 2073029	GAUGE: 0.2500 IN ( 6.3500 MM)	PRODUCT DESCRIPTION: Sawed Plate
			DIAMETER/WIDTH: 48.500 IN (1231.8 MM)	LENGTH: 144.600 IN (3670.3 MM)

MHU 2204252: LOT 254261B1: 3 pieces;  
MHU 2216188: LOT 241730B1: 6 pieces;  
MHU 2216181: LOT 241730B1: 27 pieces;

### Certified Specifications

AMS 4046/RevL  
CMMP 026/RevV

AMS-QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512

Lot: 241730B1

Cast 611

Drop 03

### Test Results

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	85.4 : 85.4 (589 : 589)	74.9 : 75.3 (516 : 519)	12.2 : 12.5

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.14	1.5	0.03	2.6	0.20	5.8	0.03	0.01	0.01	TOT 0.03
Lot: 254261B1	Cast 605		Drop 11		Ingot 1						Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	83.3 : 84.4 (574 : 582)	72.8 : 74.1 (502 : 511)	11.6 : 12.2

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.09	0.21	1.5	0.07	2.3	0.20	5.7	0.03	0.01	0.02	TOT 0.04

# KAISER ALUMINUM

Trentwood Works

PO Box 16108, Spokane Valley WA 99215-5108  
15000 E Euclid, Spokane Valley WA 99216  
Phone: (800) 367-2588

## CERTIFIED TEST REPORT

Serial Number  
4505338

### ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

DIVERSIFIED INDUSTRIAL PRODUCTS CORP.  
CERTIFY THIS A TRUE COPY OF THE  
MILL TEST REPORT USED TO FILL YOUR  
ORDER.

Company DART AEROSPACE LTD.  
PO# PO039634  
Our Inv. # 66668  
Qty. IT 1 - 36 FT  
Part # M7075T6S6.000X0.250  
QC Dept. Cathi Vail  
Cathi Vail

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
  - All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
  - was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
  - has been thermally processed in compliance with AMS 2772, where applicable.
  - is mercury free, within the limits of detection of ASTM E1218 (<1ppm).
  - is in compliance with RoHS 2, European Union Directive 2011/65/EU.
  - is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
  - is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
  - is free of weld repair.
  - meets the reporting requirements of EN10204, Type 3.1.
- Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

*James Hemenway*

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER